



Application Serial No. 09/590,584
In re Patent No. 5,764,951
Patentees: Ly et al.
Attorney Docket No. 4000/10

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Reissue Appl. No. : 09/590,584
Filed : June 8, 2000
In re Patent to : Tai A. Ly et al.
Patent No. : 5,764,951
Issued : June 9, 1998
Title : METHODS FOR AUTOMATICALLY PIPELINING LOOPS

Box REISSUE
Assistant Commissioner for Patents
Washington, D.C. 20231

DECLARATION OF INVENTOR TAI A. LY IN APPLICATION
FOR BROADENING REISSUE OF PATENT

Pursuant to 37 CFR 1.63 and 1.175

This declaration is made in application for broadening reissue of the above-identified patent.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS FOR AUTOMATICALLY PIPELINING LOOPS

the specification of which: *(check one)*

- ☐ is attached hereto; or
☒ was filed on June 8, 2000 as U.S. Reissue Application Serial No. 09/590,584.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below:

- ☐ by reason of a defective specification or drawing.
☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.
☐ by reason of other errors.

At least one error upon which this application for reissue is based is described as follows:


The limitation of claim 1 to methods comprising steps of parsing text descriptions including loops with delayed signal assignments having delay values and setting latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

The limitation of claim 18 to systems comprising logic for parsing text descriptions including loops with delayed signal assignments having delay values and setting latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

The limitation of claim 21 to computer program products comprising computer readable program code devices configured to cause a computer effect parsing of text descriptions including loops with delayed signal assignments having delay values and setting of latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

All errors being corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First Joint Inventor	Tai A. Ly		
Inventor's Signature		Date	8/26/2000
Residence	US	Citizenship	Canada
Post Office Address	1620 Campbell Avenue, San Jose, California 95125		



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DECLARATION OF INVENTOR RONALD A. MILLER IN APPLICATION
FOR BROADENING REISSUE OF PATENT
Pursuant to 37 CFR 1.63 and 1.175

This declaration is made in application for broadening reissue of the above-identified patent.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

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the specification of which: *(check one)*

- ☐ is attached hereto; or
☒ was filed on June 8, 2000 as U.S. Reissue Application Serial No. 09/590,584.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below:

- ☐ by reason of a defective specification or drawing.
☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.
☐ by reason of other errors.

At least one error upon which this application for reissue is based is described as follows:

The limitation of claim 1 to methods comprising steps of parsing text descriptions including loops with delayed signal assignments having delay values and setting latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

The limitation of claim 18 to systems comprising logic for parsing text descriptions including loops with delayed signal assignments having delay values and setting latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

The limitation of claim 21 to computer program products comprising computer readable program code devices configured to cause a computer effect parsing of text descriptions including loops with delayed signal assignments having delay values and setting of latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

All errors being corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First Joint Inventor	Ronald A. Miller		
Inventor's Signature	<i>Ronald A. Miller</i>	Date	August 7, 2000
Residence	US	Citizenship	Canada
Post Office Address	21957 Oakleaf Court, Cupertino, California 95014		



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Title : METHODS FOR AUTOMATICALLY PIPELINING LOOPS

Box REISSUE
Assistant Commissioner for Patents
Washington, D.C. 20231

DECLARATION OF INVENTOR DONALD B. MACMILLEN IN APPLICATION
FOR BROADENING REISSUE OF PATENT

Pursuant to 37 CFR 1.63 and 1.175

This declaration is made in application for broadening reissue of the above-identified patent.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS FOR AUTOMATICALLY PIPELINING LOOPS

the specification of which: *(check one)*

☐ is attached hereto; or

☒ was filed on June 8, 2000 as U.S. Reissue Application Serial No. 09/590,584.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below:

- ☐ by reason of a defective specification or drawing.
☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.
☐ by reason of other errors.

At least one error upon which this application for reissue is based is described as follows:

The limitation of claim 1 to methods comprising steps of parsing text descriptions including loops with delayed signal assignments having delay values and setting latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

The limitation of claim 18 to systems comprising logic for parsing text descriptions including loops with delayed signal assignments having delay values and setting latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

The limitation of claim 21 to computer program products comprising computer readable program code devices configured to cause a computer effect parsing of text descriptions including loops with delayed signal assignments having delay values and setting of latencies of pipelines equal to said delay values is more limiting than necessary, and resulted in the patentee claiming less than he had a right to claim.

All errors being corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Fourth Joint Inventor	Donald B. Macmillen		
Inventor's Signature	Donald B. MacMillen	Date	14 Aug 00
Residence	US	Citizenship	US
Post Office Address	2054 Seabrook Court, Redwood City, CA 94065		



4000/10

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Reissue of Patent : 5,764,951, Tai A. Ly et al.
Reissue Serial No. : 09/590,584
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COMBINED CONSENT OF ASSIGNEE AND FILING PURSUANT TO 37 CFR 3.73(b)
WITH POWER OF ATTORNEY

In Application for Broadening Reissue Pursuant to 37 CFR 1.171 et seq.

This is part of the application filed June 8, 2000 for broadening reissue of the above-identified United States Patent. The undersigned Applicant is assignee of the entire interest in the original patent and consents to the filing of this application for broadening reissue.

Applicant Synopsys, Inc., is a corporation organized under the laws of the state of Delaware and having offices at 700 East Middlefield Road, Mountain View, California, 94043-4033. Applicant is owner of the entire interest in the patent which is the subject of the proceedings herein pursuant to that assignment recorded at reel 7584, frame 0017 of the records of the United States Patent and Trademark Office on July 17, 1995. A copy of that assignment is attached hereto.

Applicant hereby appoints the following attorney(s) or agent(s), of the law firm Brown Raysman Millstein Felder & Steiner LLP, 120 West Forty-Fifth Street, New York, New York, 10036, its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Jonathan T. Kaplan, Reg. No. 38,935
Seth H. Ostrow, Reg. No. 37,410
Anthony J. Natoli, Reg. No. 36,223
Katrine A. Levin, Reg. No. 41,941
Michael Malish, Reg. No. 41,968

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Frederick Yu, Reg. No. 45,251
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Please direct all correspondence to:

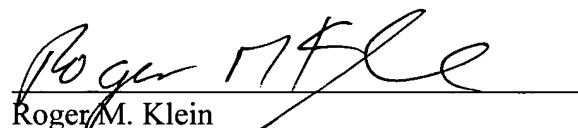
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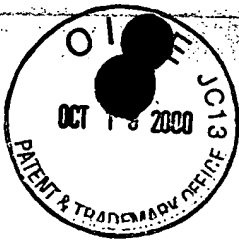
Direct all telephone calls to: (212) 944-1515

The undersigned individual declares that he is authorized to execute this document on behalf of Applicant.

Respectfully submitted,
Applicant Synopsys, Inc.
by

Date: 7/26, 2000


Roger M. Klein
Deputy General Counsel



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DECEMBER 19, 1995

PTAS

3475.00003

(A 1994.049)



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**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LY, TAI A.

DOC DATE: 06/19/1995

ASSIGNOR:

KNAPP, DAVID W.

DOC DATE: 06/16/1995

ASSIGNOR:

MACMILLEN, DONALD B.

DOC DATE: 06/19/1995

ASSIGNOR:

MILLER, RONALD A.

DOC DATE: 06/19/1995

ASSIGNEE:

SYNOSPSY, INC.
700 EAST MIDDLEFIELD ROAD
MOUNTAIN VIEW, CALIFORNIA
94043-4033

SERIAL NUMBER: 08440554

PATENT NUMBER:

FILING DATE: 05/12/1995

ISSUE DATE:

DATES ENTERED: _____

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